

PATENT CLAIMS

1. Device for supporting chassis with at least two pairs of individual wheels or at least two wheel sets and which are mounted to the chassis turnable around their respective axis of rotation, for rail vehicles during the machining of the individual wheels, wheels of the wheel sets or parts thereof on a wheel set machining unit, whereby the respective axes of rotation of the pairs of individual wheels or the wheel sets in the longitudinal direction of the chassis are provided with a lateral axle base from each other, characterised in that in the longitudinal direction (3) at a distance (9, 10) from the machining tools (6) of the wheel set machining unit (1) corresponding to an axle base, one support (16 to 19, 31 to 34) is provided for at least one free individual wheel of a pair of individual wheels not being machined at the time or at least one wheel (7) of a wheel set (11, 12) of the chassis (8).
2. Device according to claim 1 characterised in that the support (16 to 19, 31 to 34) is connected or temporarily connectable to the wheel set machining unit (1) or at least one of its parts (5).

3. Device according to claims 1 or 2 characterised in that the support consists of at least one vertical pillar (16 to 19, 31 to 34) with a horizontal cross member (15, 20, 37) at its top end extending in longitudinal direction (3) and provided with a device (13, 14, 23) supporting one individual wheel or a wheel (7) of a wheel set (11, 12).
4. Device according to claims 1 or 2 characterised in that the support consists of at least two vertical pillars (16 to 19, 31 to 34) with a lateral distance to each other and which are connected to each other at their top ends by a horizontal cross member (15, 20, 37) extending in longitudinal direction (3) and provided with a device (13, 14) supporting one individual wheel or a wheel (7) of a wheel set (11, 12).
5. Device according to claim 3 characterised in that another support is provided across the width of the wheel set machining unit (1) consisting of a vertical pillar (13, 19) with a horizontal cross member (15, 20) at its top end extending in longitudinal direction (3) and provided with a device (13, 14, 24, 25) supporting one individual wheel or a wheel (7) of a wheel set (11, 12).

6. Device according to claims 3 and 5, characterised in that both supports (16, 19, 32, 33) face each other in longitudinal direction (3) by having the same distance (9, 10) from respective machining tools (6) of the wheel set machining unit (1).
7. Device according to claim 6 characterised in that both supports (21, 22, 38) are connected by another cross member (21, 38) extending across to the cross members (15, 20, 37) in longitudinal direction (3) across the width of the wheel set machining unit (1).
8. Device according to claim 4 characterised in that another support is provided across the width of the wheel set machining unit (1) consisting of two vertical pillars (19, 33) being at a lateral distance from each other and connected by a horizontal cross member (21, 37) at their top ends extending across to the longitudinal direction (3) and provided with a device (13, 14, 24) supporting one individual wheel or a wheel (7) of a wheel set (11, 12).
9. Device according to claim 8 and, characterised in that both supports (16, 19, 32, 33) face each other across to the longitudinal direction (3) by having the same distance from respective machining tools (6) of the wheel set machining unit (1).

10. Device according to claim 9 characterised in that both supports (16, 19, 32, 33) are connected by at least one other cross member (21, 38) extending across to the cross members (15, 20, 37) in longitudinal direction (3) across the width of the wheel set machining unit (1).
11. Device according to one of the claims 1 to 10 characterised in that at least one of the supports (16 to 19, 31 to 34) has a spacer (39) via which the distance of the support (16 to 19, 31 to 34) to an individual wheel, a wheel set (29) or the bogie (8) is movable and lockable in a direction across to the longitudinal direction (3).
12. Device according to claim 11 characterised in that the spacer (39) is provided near the foot (35) of at least one of the vertical pillars (16 to 19, 31 to 34) of the support.
13. Device according to one of the claims 1 to 10 characterised in that the device is designed as part of a service carriage (5), which is firmly or detachably connected to the wheel set machining unit (1).

14. Device according to one of the claims 2 to 10 characterised in that the wheel set machining unit (1) is able to travel on rollers (45) and is firmly or detachably connected to a service carriage (5).
15. Device according to claim 14 characterised in that the wheel set machining unit (1) and the service carriage (5) is able to travel on the repair track (2).
16. Device according to one of the claims 1 to 15 characterised in that the support on the horizontal cross member (15, 20, 37) provided in longitudinal direction (3) has a wagon carrier truck (13, 14) with two rollers (24, 25) provided in longitudinal direction (3) facing each other at a distance and receiving one individual wheel or a wheel (7) of a wheel set (11, 12).
17. Device according to claim 16 characterised in that the wagon carrier truck (13, 14) is moveable and lockable on the cross member (15, 20, 37) in longitudinal direction (3).
18. Device according to claim 17, characterised in that a stop (40) for one individual wheel or a wheel (7) of a wheel set (11, 12) is provided for the alignment of the chassis (8) in longitudinal direction (3) along the cross member (15, 20, 37) extending in longitudinal direction (3).